International Application No
PCT 2004/019846

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According to	International Patent Classification (IPC) or to both national classification	ation and IPC	
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IPC 7	cumentation searched (classification system followed by classification C12N G01N A61K		
Documental	tion searched other than minimum documentation to the extent that s	uch documents are included in the fields sea	arched
	ata base consulted during the international search (name of data bas		
EPO-Internal, BIOSIS, EMBASE, CHEM ABS Data, WPI Data, PAJ			
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
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X Further documents are listed in the continuation of box C. Patent family members are listed in annex.			n annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an invention example and invention cannot be considered to involve an invention cannot be considered to involve an invention cannot be considered to involve an invention example and invention cannot be considered to involve an invention cannot be considered t		he application but ony underlying the almed invention be considered to uniment is taken alone almed invention entive step when the eother such docusto a person skilled	
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Name and m	Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Authorized officer Sitch, W		

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1, 3-15, 18-21, 26, 27, 29-35 (all partially); 2, 16, 17, 22-25 28 (all completely)
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,3-15,18-21,26, 27,29-35 (all partially); 2,16,17,22-25,28 (all completely)

A method of identifying a substance that down-regulates / up-regulates an immune response in an animal, comprising determining whether the substance inhibits / enhances an interaction between CD26 and caveolin-1, between calveolin-1 and Tollip, or between caveolin-1, Tollip, and IRAK-1, or whether the substance inhibits / enhances phosphorylation of caveolin-1; a kit for identifying such substances; use of such substances; such substances per se

2. claims: 1,3-15,18-21,26,27,29-35 (all partially)

A method of identifying a substance that down-regulates / up-regulates an immune response in an animal, comprising determining whether the substance inhibits / enhances phosphorylation of IRAK-1; a kit for identifying such substances; use of such substances

3. claims: 1,3-13,15,18-21,26,27,29-32,34,35 (all partially)

A method of identifying a substance that down-regulates / up-regulates an immune response in an animal, comprising determining whether the substance inhibits / enhances activation of NF- KB; a kit for identifying such substances; use of such substances

4. claims: 1,3-13,15,18-21,26,27,29-32,34,35 (all partially)

A method of identifying a substance that down-regulates / up-regulates an immune response in an animal, comprising determining whether the substance inhibits / enhances the up-regulation of CD86 expression; a kit for identifying such substances; use of such substances